

**BIOABSORBABLE PLUG IMPLANTS AND  
METHOD FOR BONE TISSUE REGENERATION**

**Abstract of the Disclosure**

A bioabsorbable plug implant, suitable for bone tissue regeneration, comprising a first portion, and a second portion extending outwardly from the first portion, the first and second portions formed from expandable material. A method for bone tissue regeneration comprising the steps of: providing a bioabsorbable plug implant, wherein the implant comprises a first portion and a second portion extending outwardly from the first portion, the first and second portions formed from expandable material; inserting the second portion into a defect or gap of a bone, the first surface engaging the outside contour of the defect or gap; allowing the plug implant to contact body fluids, thereby expanding the size of the plug implant so that the plug fits into the defect or gap.